

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-258037

(43)Date of publication of application : 14.09.1992

---

(51)Int.Cl.

**H04B 14/04**

**G10L 3/00**

---

(21)Application number : 03-019627

(71)Applicant : **NEC CORP**  
**NEC ENG LTD**

(22)Date of filing : 13.02.1991

(72)Inventor : **WAKE YASUHIRO**  
**YASUNAGA SATOSHI**

---

### (54) VOCODER

#### (57)Abstract:

PURPOSE: To attain natural conversation by allowing a transmission section to detect spectrum information and amplitude information in an unvoiced channel and allowing a reception section to use white noise for voice synthesis.

CONSTITUTION: A transmission section has n-sets of vocoders 21-23 and n-sets of voice detectors 31-33 and outputs (n-m) sets of spectrum information and (n-m) sets of amplitude information by using outputs of the voice detectors 31-33 among n-sets of channels of voice codes. A reception section has a white noise generator 130a residual selector 120 and a controller 140 driving synthesis filters 161-163 receiving spectrum information separated from a voice code inputted from a reception terminal 100 by a demultiplexer 100 with amplitude information and white noise and a reproduced voice signal is outputted to output terminals 171-173.